

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005036

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ H01L21/205, H01L21/31

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl.⁷ H01L21/205, H01L21/31

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 9-186112 A (Tokyo Electron Ltd.), 15 July, 1997 (15.07.97), Figs. 2 to 5 (Family: none)	1-2, 6, 19, 25 26
Y	JP 9-045624 A (Tokyo Electron Ltd.), 14 February, 1997 (14.02.97), Fig. 1 & US 5958140 A	1-2, 6, 19, 25
Y Y	JP 5-299369 A (Tokyo Electron Ltd.), 12 November, 1993 (12.11.93), Par. No. [0053] Par. No. [0031] & US 5429498 A & US 5651670 A & US 5662469 A	1, 25 9, 15

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search
08 July, 2004 (08.07.04)

Date of mailing of the international search report
27 July, 2004 (27.07.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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PCT/JP2004/005036

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 5-267309 A (NGK Insulators, Ltd.), 15 October, 1993 (15.10.93), Figs. 1 to 2 (Family: none)	1, 25
Y A	JP 6-260430 A (Kabushiki Kaisha Eiko), 16 September, 1994 (16.09.94), Full text Par. No. [0027] (Family: none)	9, 15, 25 22